Filling up of Class-I Posts in CCRAS

1676. SHRI G. SWAMINATHAN: Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state:

(a) whether it is a fact that senior class-I posts have been filled up on an *ad hoc* basis from 1978-79 to March, 1989 by the Central Council of Research in Ayurveda and Siddha, in violation of Department of Personnel and Administrative Reforms O.M. 22012/2/79-Estt. (D) dated the 25th February, 1981;

(b) if so, the reasons therefor; and

(c) the action proposed to be taken in the matter?

THE MINISTER OF STATE OF THE MINISTRY OF HEALTH AND FAMILY WELFARE (SHRI RAFIQUE ALAM): (a) to (c) Senior Class-I posts of Asstt. Director in different discipline have been filled up on *ad hoc* basis in accordance with Bye-Law 25 of the Bye-Laws of the Central Council for Research in Ayurvedha and Siddha. These appointments have been made with the approval of the respective appointing authorities as per provisions contained therein. Senior appointments are reported to the Governing Body of the Council for approval and thereafter these are continued only with the approval of the competent authority of the Council.

Cray Super-Computers

1677. SHRI BIR BHADRA PRATAP SINGH:
SHRI BHAGATRAM MANHAR:

Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that weather forecast continues to be unreliable even after the installing of Cray Super-Computers;

(b) if so, what are the reasons therefor;

(c) whether it is also a fact that these Cray Super-Computers are not suitable for India due to curious climatic pattern;

(d) if so, what are the reasons for spending huge foreign exchange on the purchase of these Super-Computers; and

(e) whether Government propose to review the situation and use some other method for the forecast of weather, as is done in other countries having the same pattern of climate?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND THE MINISTER OF STATE IN THE DEPARTMENTS OF OCEAN DEVELOPMENT, ATOMIC ENERGY, ELECTRONICS AND SPACE (SHRI K. R. NARAYANAN): (a) and (b) No, Sir. The reliability of the forecasts have vastly improved in the last few years. Monsoon forecast issued in the month of May, 1988 was that the total monsoon rainfall will be good and on the positive side of the normal. 1988 monsoon indeed proved to be one of the four best monsoons of the century. Similarly, the forecast for this year's monsoon issued nearly two months in advance was that the rainfall will be 2 per cent above normal within the error of —4 per cent. The rainfall as on 26 July, 1989 is 3 per cent above normal which is well within the range of the forecast.

The Super-computer Cray X-MP/14 is not required to be used for the above type long term forecasts. It is used at present for research on development of models for medium range weather forecasting *i.e.* for the period 3 to 10 days in advance. As no readymade models for forecasting of monsoon exist anywhere in the world, these have, therefore, to be developed in India.

(c) No, Sir. The Cray Supercomputer is the only tool available for medium range weather forecasting.

(d) and (e) Do not arise.

Deep Sea-Bed Exploration Programme

1678. SHRI SURENDRA SINGH THAKUR: Will the PRIME MINISTER be pleased to state:

(a) whether Government have undertaken any Deep-Sea-Bed Exploration Pro-